COMPACT Hi-Fi COMPONENT SYSTEM

RXD-M47MP

SERVICE MANUAL

(HM-437MP)

KENWOOD

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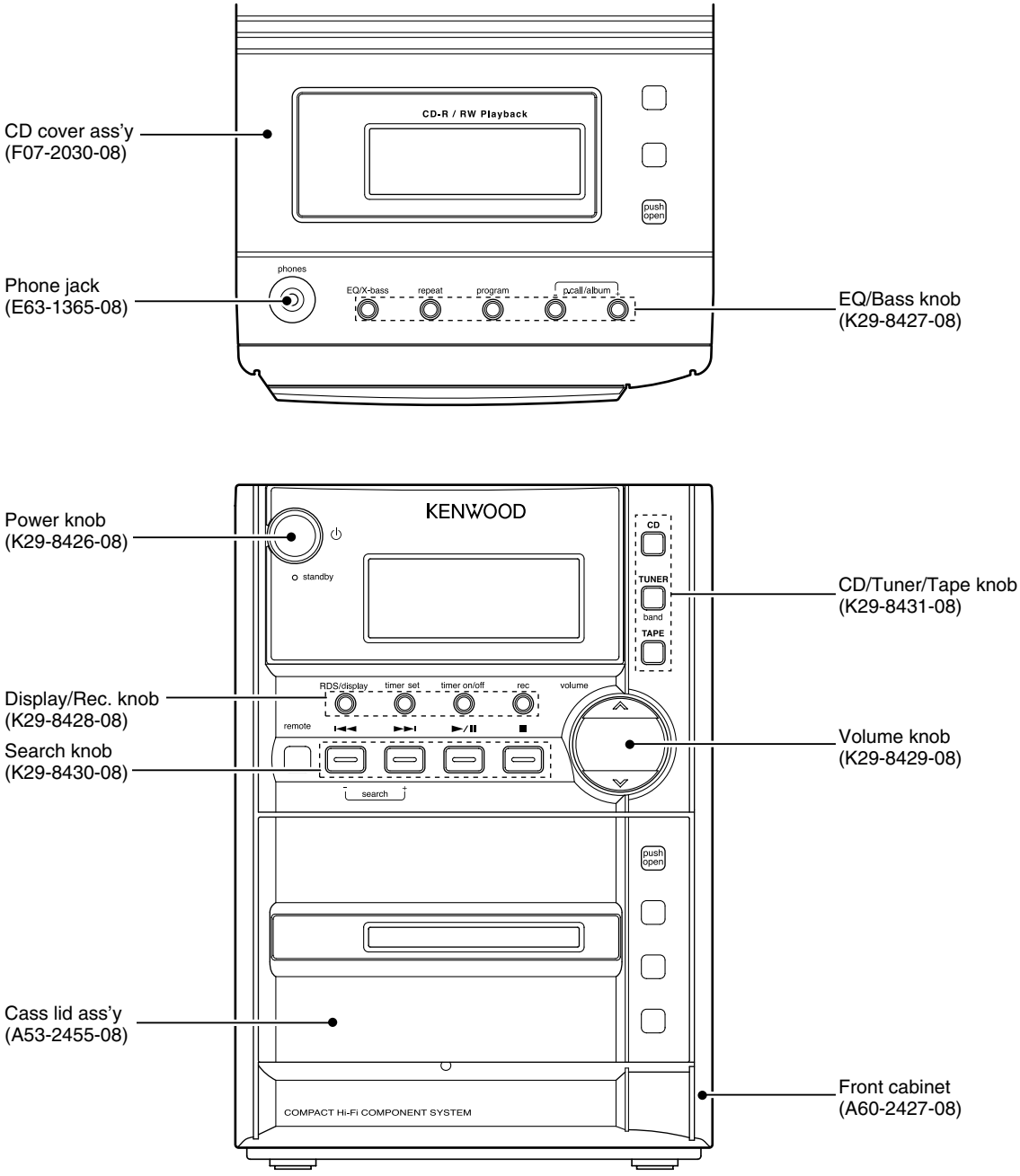
B51-5934-00 (K/K) 715



In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

DANGER : Laser radiation when open and interlock defeated. AVOID DIRECT EXPOSURE TO BEAM.

70%

RXD-M47MP

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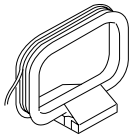
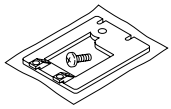
Accessories

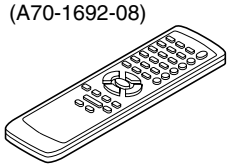
AM loop antenna (1) (T90-0908-08)



ANT TERMI CVR (F07-2029-08)

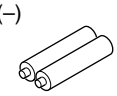


Remote control unit (1) (A70-1692-08)



Batteries (R6/AA) (2)

(–)



System configuration

SYSTEM	RECEIVER	SPEAKER
HM-437MP	RXD-M47MP	LS-M47

Cautions

The marking of products using lasers

CLASS 1 LASER PRODUCT
LASER KLASSE 1
APPAREIL A LASER DE CLASSE 1
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Bottom

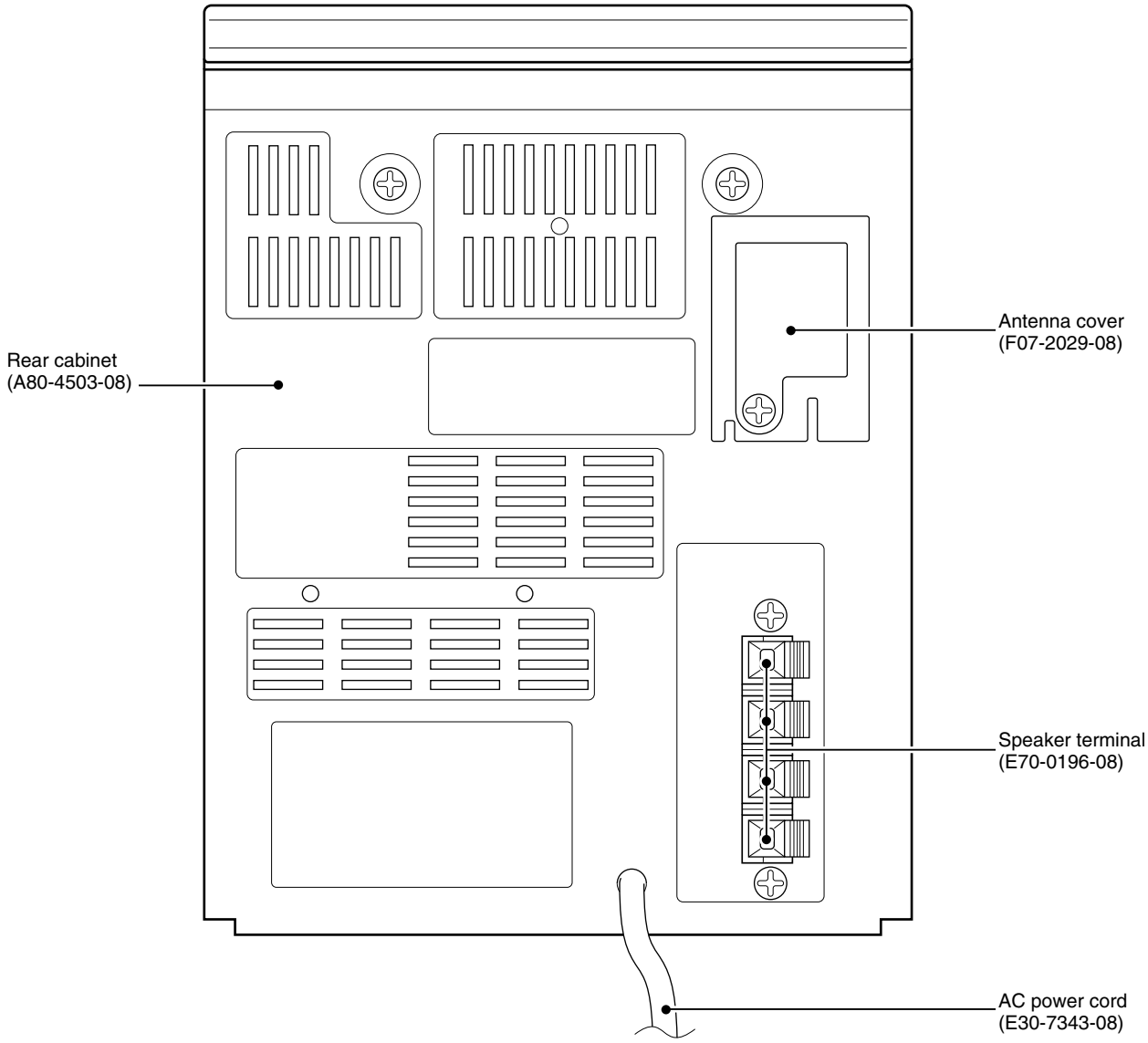
Resetting the Microcomputer

The microcomputer may malfunction (unit cannot be operated, or shows an erroneous display)if the power cord is unplugged while the power is ON, or due to some other external factor. If this happens, execute the following procedure to reset the microcomputer and return the unit to its normal operating condition.

Plug in the AC power cord to the wall outlet, and within 5 seconds, press and hold down the ■ button and press CD button.

- Please note that resetting the microcomputer will clear the contents of the memory and return the unit to the state it was in when it left the factory.

EXTERNAL VIEW



ADJUSTMENT

SERVICE ADJUSTMENT

Lubrication

The mechanical parts are factory coated with a thin coat of light grease and should not require further lubrication. If a light grease is applied, be careful not to get any grease on the play/record head or erase head, hubs, pulleys, tapes reels, drive belts, or switches. Use a good lubricant such as Silicon Lube G322L or Lubricate.

Service Check

Before aligning the mechanism, wipe off any accumulated dirt with denatured alcohol. Wipe around parts where the tape contacts and around all rotating parts. Drive belts are specially processed. Do not clean them with alcohol.

Mechanical Torque

Use a cassette type torque gauge and check the tape mechanism.

Take-up torque	35 to 70 g-cm
Rewind torque	50 g-cm min.
Fast forward torque	50 g-cm min.

Pinch Wheel Pressure

No adjustment to the pinch roller spring is necessary. It should be sufficient to give at least 40 g-cm pull force.

Tape Head Servicing

Each time the unit is serviced, the face of all heads should be thoroughly cleaned with denatured alcohol or commercial head cleaning solution. The playback head should be demagnetized with a commercial demagnetizer. Accumulation of tape oxide during normal operations can cause problems, including loss of high frequencies and wow and flutter.

Erase Head

The erase head is properly aligned when the tape rides directly between the tape guide on the head without crinkling the tape.

ADJUSTMENT

Play/Record and Playback Head Azimuth Adjustment

To adjust the play/record and playback head azimuth screw:

1. Connect two (2) VTVMs and a dual trace scope to the stereo headphone jack (as shown) with a 32 ohm dummy load. (See Figure 1.)

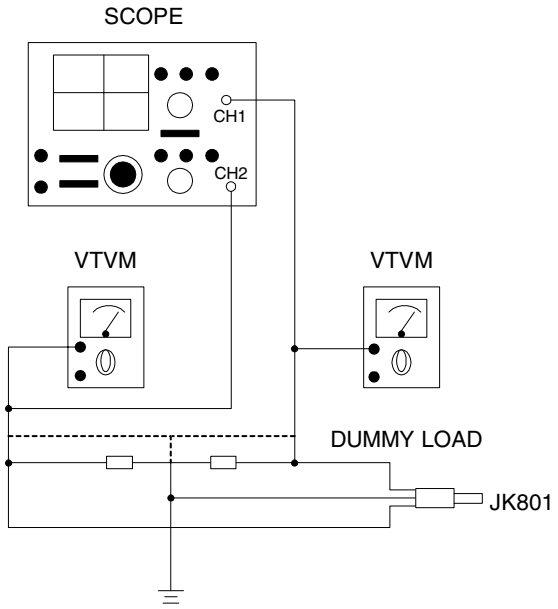


Figure 1. Azimuth Adjustment

2. Insert a 10 kHz test tape (Teac MTT-1141V or Equivalent) into the tape mechanism and play it back.
3. While playing back the test tape, slowly turn the azimuth adjusting screw until the amplitude of both channel output waveforms is maximum and in phase. (See Figure 2.)
4. Secure the azimuth screw in place with glue or paint after making the adjustment.

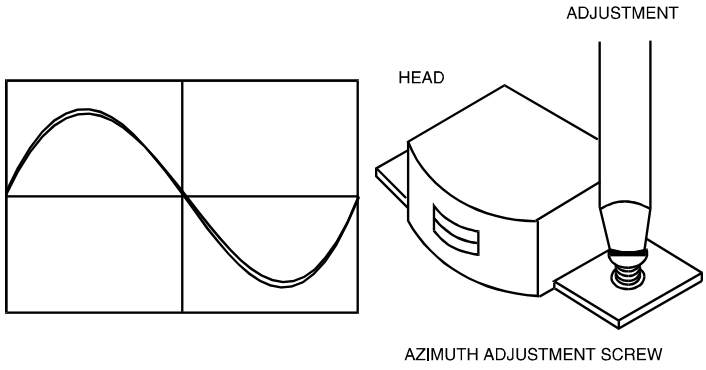


Figure 2. Head Output Signal

ADJUSTMENT

Tape Speed Adjustment

1. Set the function switch to TAPE.
2. Connect a frequency counter with a 32 ohm dummy load to the stereo headphone jack. (See Figure 3.)

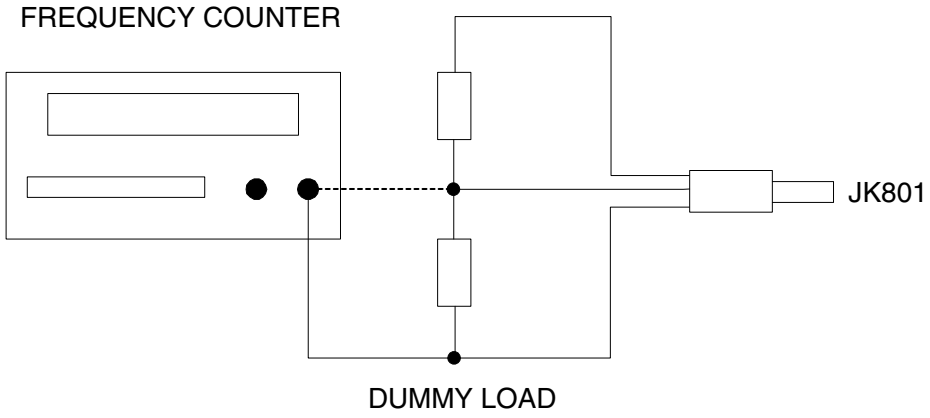


Figure 3. Tape Speed Adjustment

3. Insert and play back a 3 kHz test tape (Teac MTT-111 or Equivalent) into the tape mechanism.
4. Insert an insulated alignment tool and adjust the tape speed potentiometer (MOTOR) until the frequency counter indicates 2940 Hz to 3090 Hz.

Bias Oscillator Frequency and Level Adjustment

1. Set the function switch to TAPE and the record and play tape mechanism to RECORD.
2. Connect a VTVM and frequency counter to test point R/P HEAD.
3. Adjust bias oscillator coil T360 until the frequency counter indicates 81 kHz $\pm$ 0.5 kHz.
4. Confirm the record head voltage equal to: 6-12V.
5. Confirm the erase head voltage equal to: 15-24V.

ADJUSTMENT

TUNER ALIGNMENT PROCEDURE
Equipment needed:

1. AM Signal generator
2. FM Signal generator
3. DC Voltage meter
4. Oscilloscope
5. Output meter (VTVM)

AM Alignment

Step	S/G Frequency	Dial Setting	Indicator	Adjust	Remarks
1	450 kHz (1 kHz 30% mod.)	612 kHz	Connect oscilloscope or VTVM to speaker jack	T201	Adjust until maximum output
2	531 kHz (1 kHz 30% mod.)	Low end	Connect DC voltage meter to test point Vt and ground	T202	Adjust until Vt equal to 1.5 ± 0.05V
3	1602 kHz (1 kHz 30% mod.)	High end	Same as step 2		Confirm Vt: 6.5~8.5V
4	612 kHz (1 kHz 30% mod.)	612 kHz	Same as step 1	T203	Maximum output
5	1404 kHz (1 kHz 30% mod.)	1404 kHz	Same as step 1	VC201	Maximum output
6	Repeat steps 4 and 5 to minimize tracking error				
7	999 kHz (1 kHz 30%mod.)	999 kHz	Same as step 1		Offset is less than 6 dB.

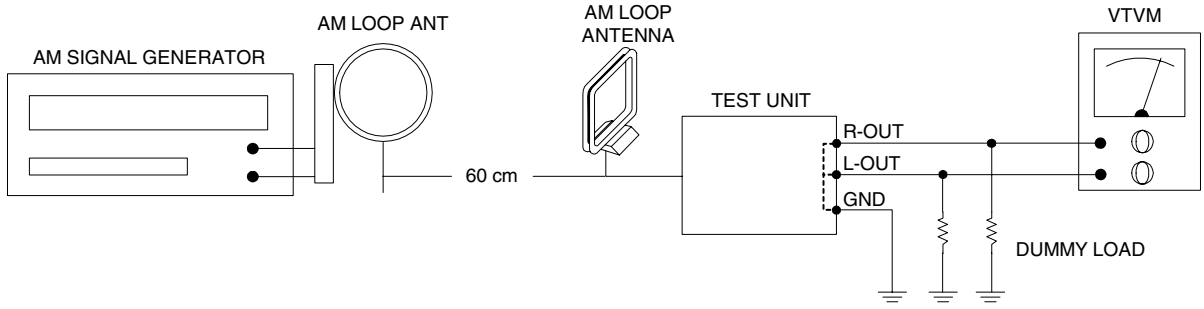


Figure 4. AM IF/RF Tracking

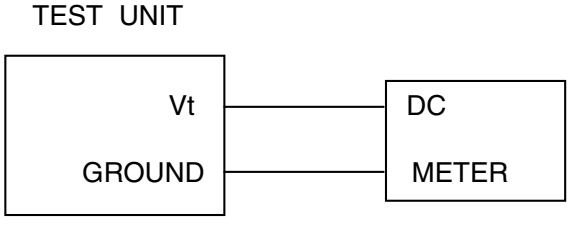


Figure 5. AM Band Frequency Coverage Alignment

ADJUSTMENT

FM Alignment:

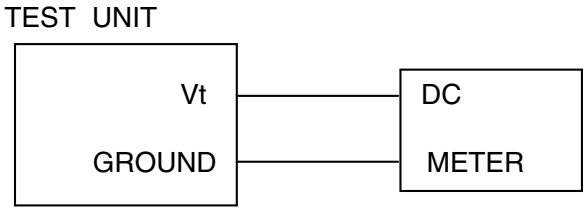


Figure 6. FM Band Frequency Coverage Alignment

Connect FM S/G to ANT inputs (mod 1 kHz 22.5kHz dev.)

Step	S/G Frequency	Dial Setting	Indicator	Adjust	Remarks
1	87.5 MHz	Low end	Connect DC voltage meter to test point Vt and ground	L203	Adjust until Vt equal to: 1.5 ± 0.05V
2	108 MHz	High end	Same as step 1		Confirm Vt: 7-9V
3	90.1 MHz	90.1 MHz	Connect oscilloscope or VT/VM to speaker jack	L204	Adjust until Maximum output
4	106.1 MHz	106.1 MHz	Same as step 3	VC202	Adjust until maximum output
5	Repeat steps 3 and 4 to minimize tracking error.				

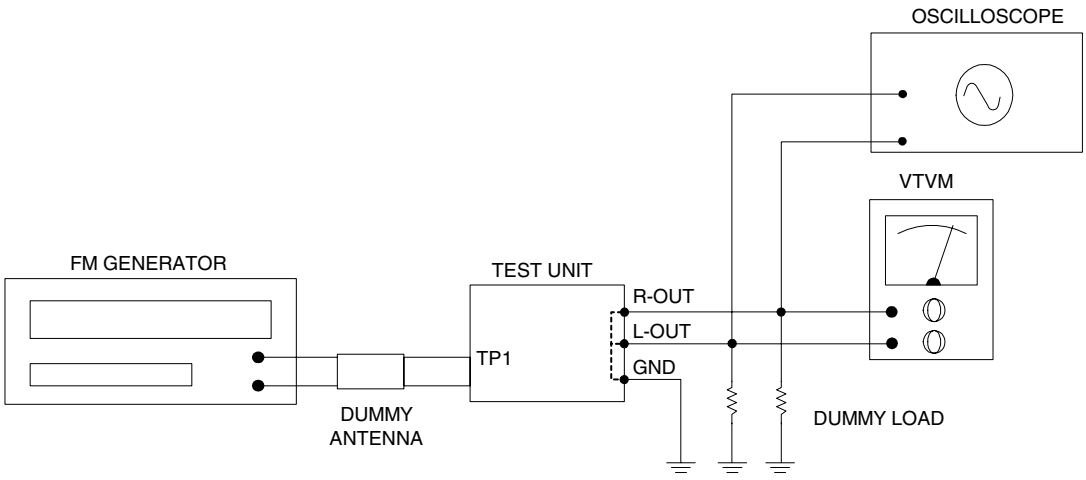
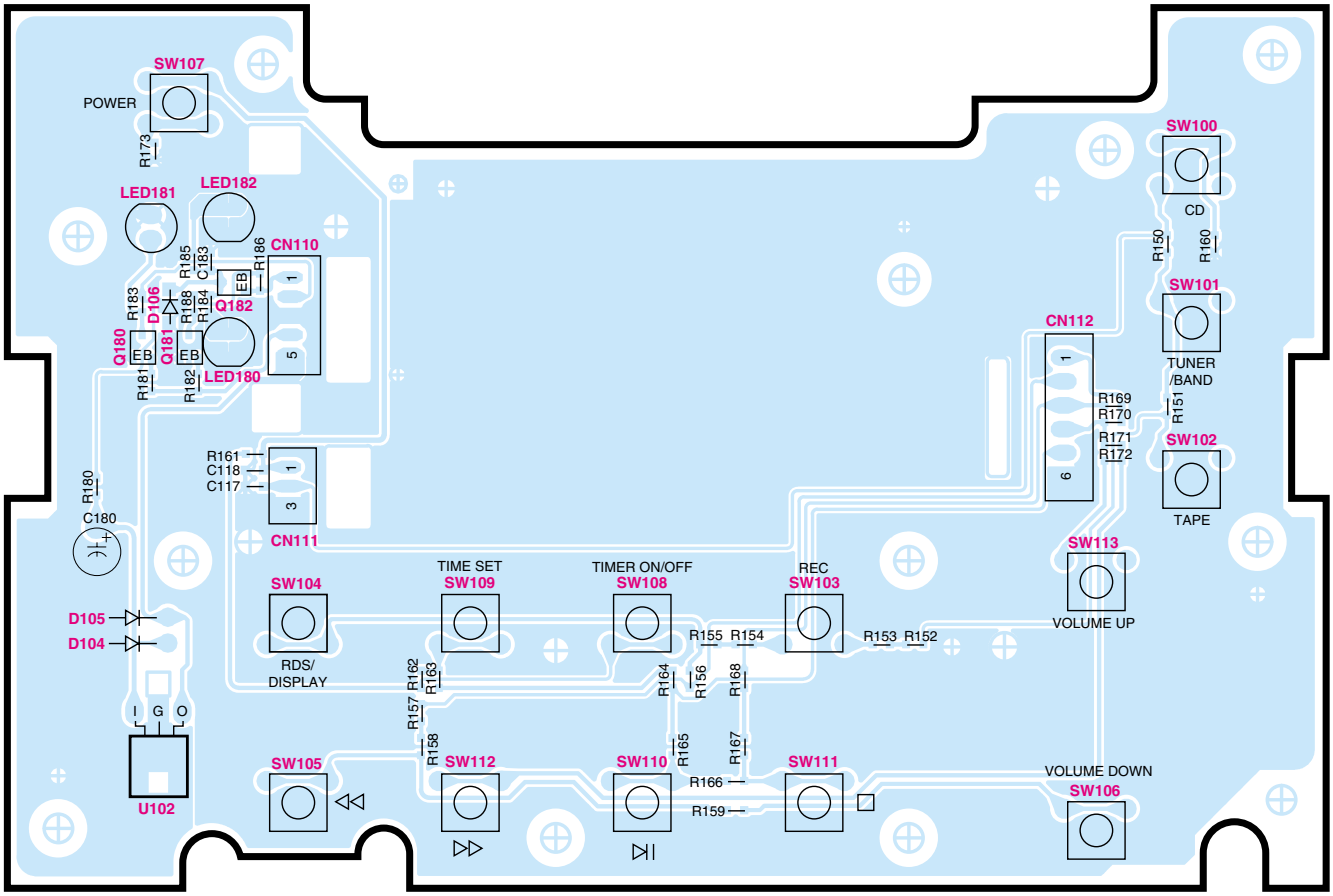


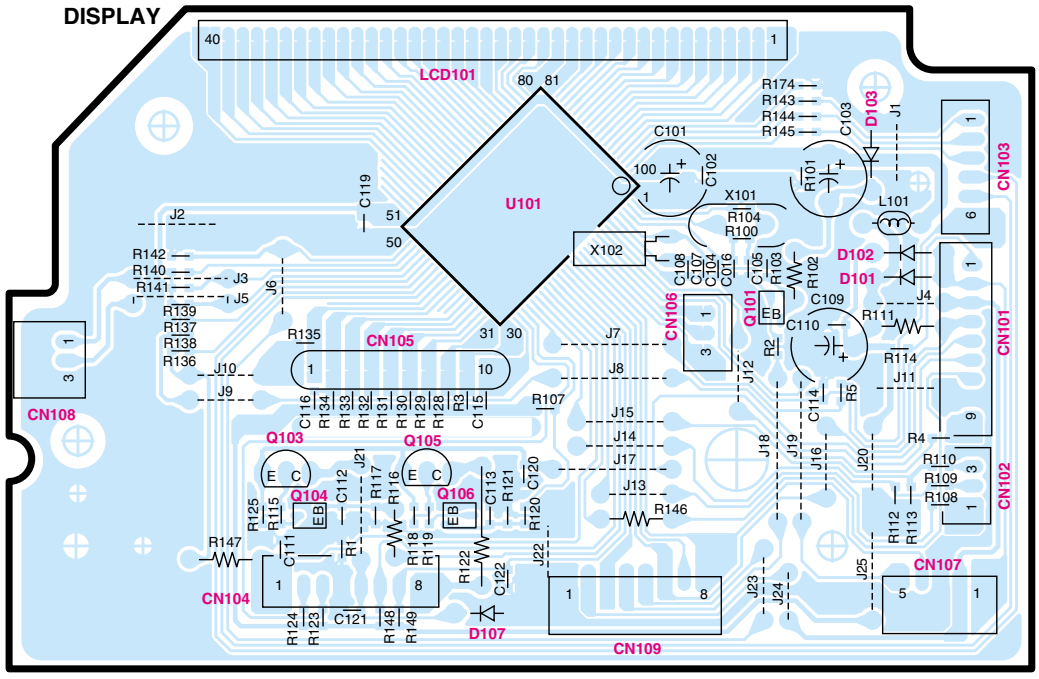
Figure 7. FM Band/Tracking

PC BOARD (Component side view)

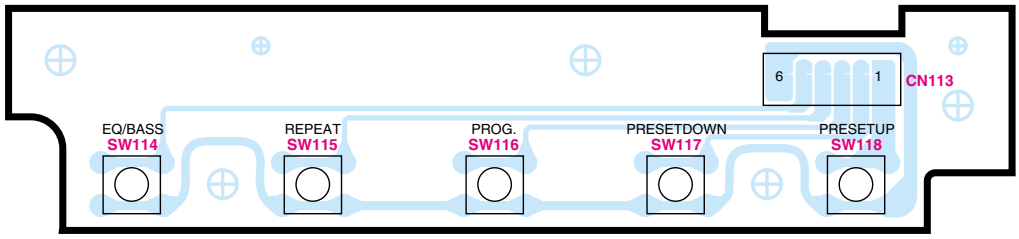
FRONT KEY



DISPLAY



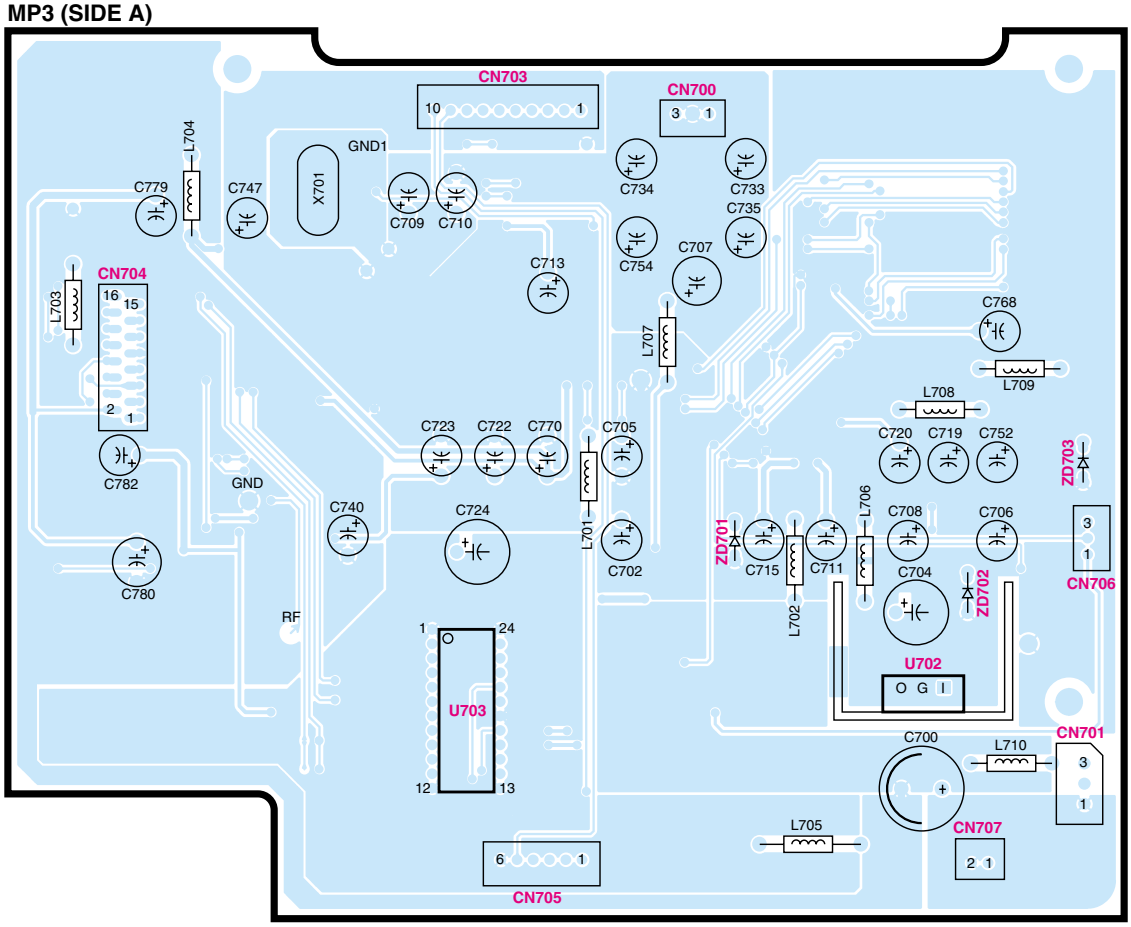
TOP KEY



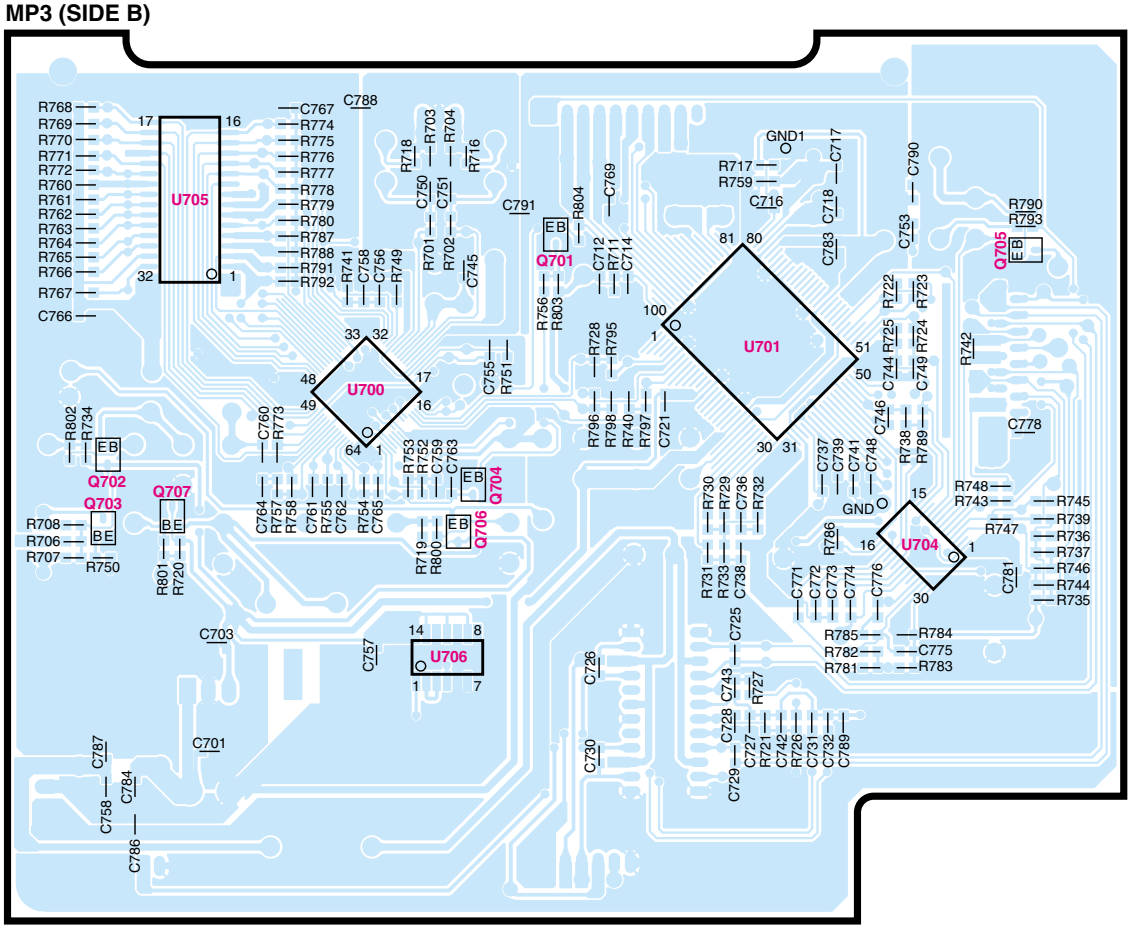
Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD

MP3 (SIDE A)

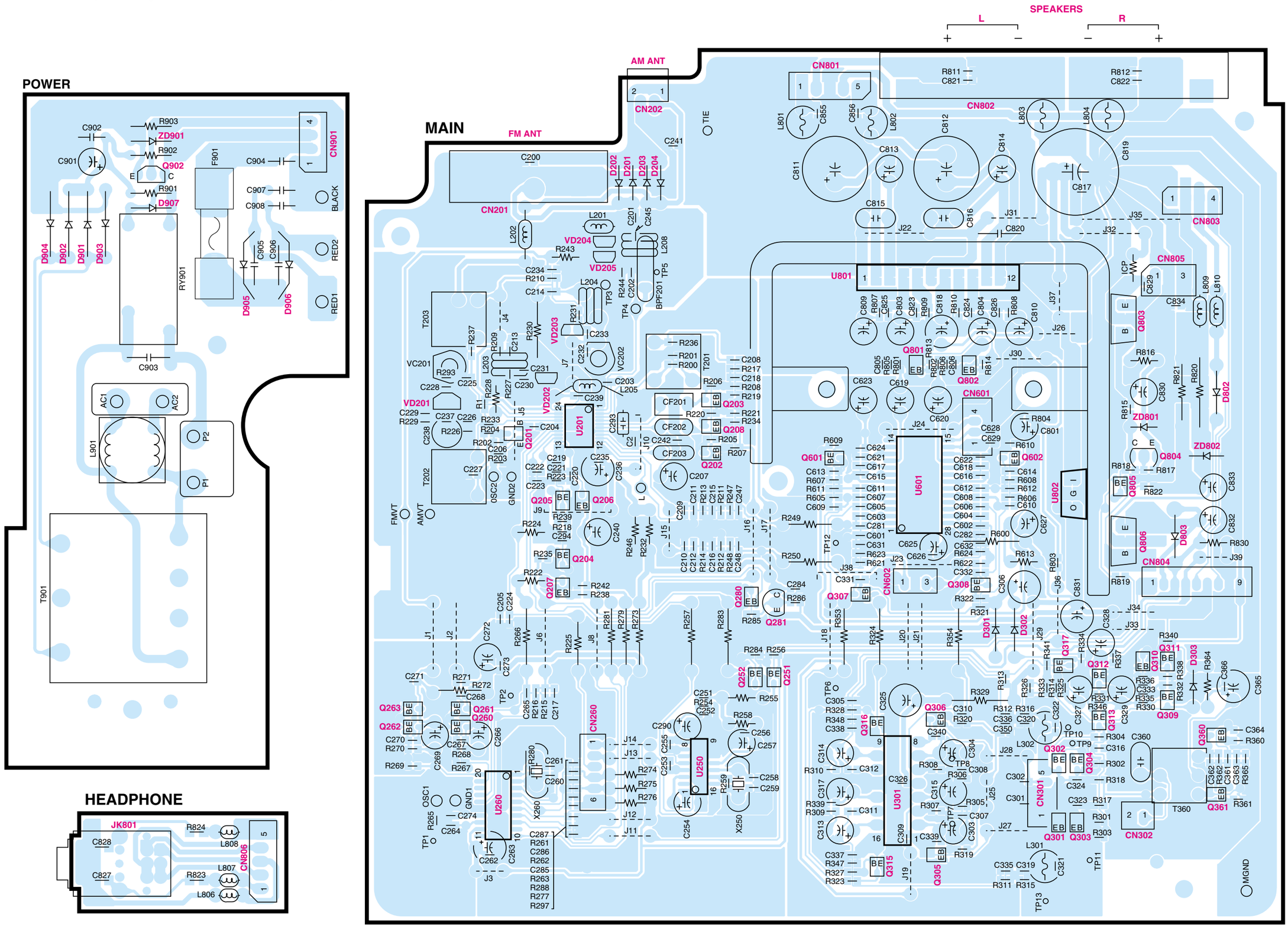


MP3 (SIDE B)



Refer to the schematic diagram for the value of resistors and capacitors.

PC BOARD (Component side view)



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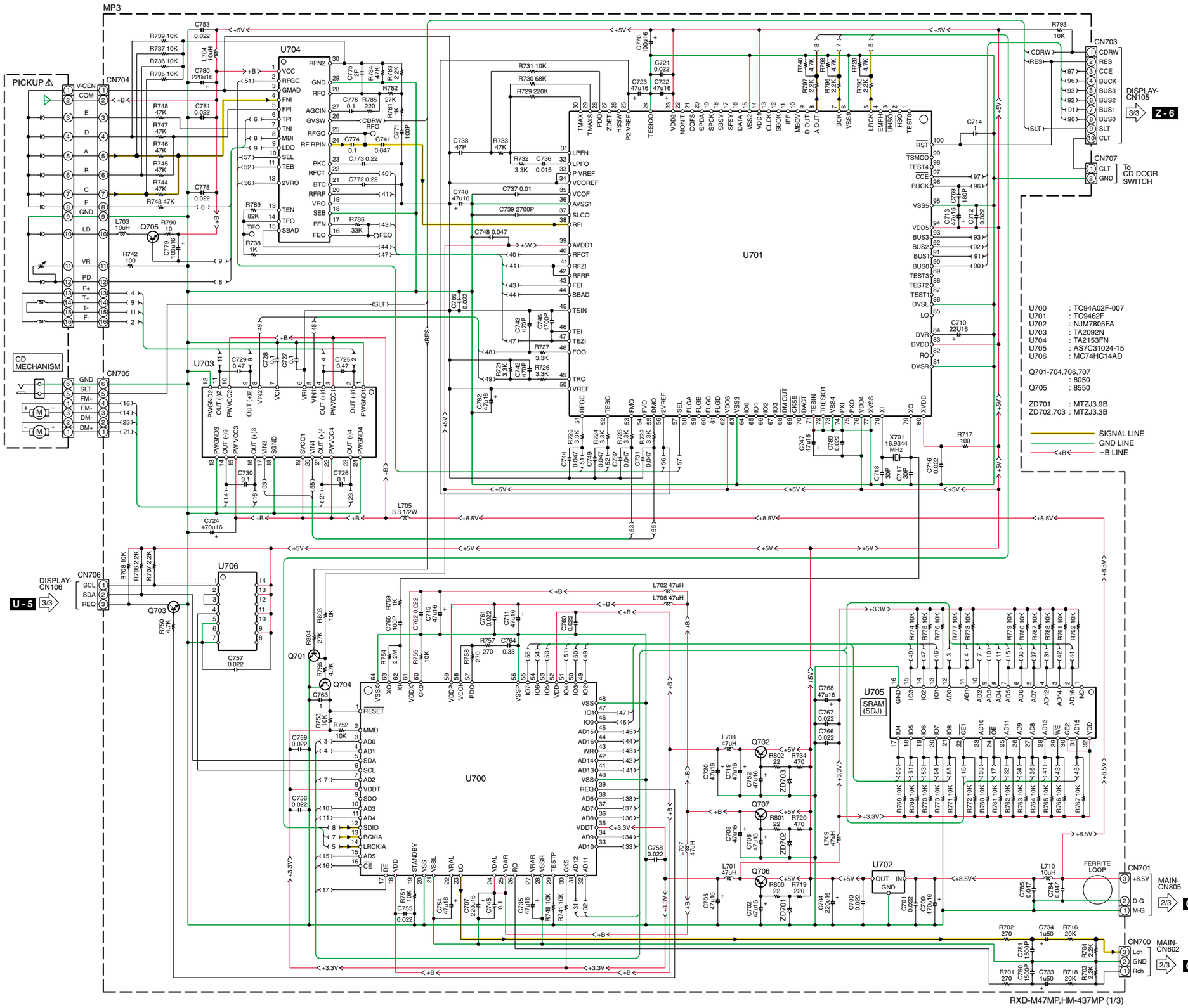
RXD-M47MP



U700 : TC94A02F-007
U701 : TC9462F
U702 : NJM7805FA
U703 : TA2092N
U704 : TA2153FN
U705 : AS7C31024-15
U706 : MC74HC14AD

Q701-704,706,707 : 8050
Q705 : 8550

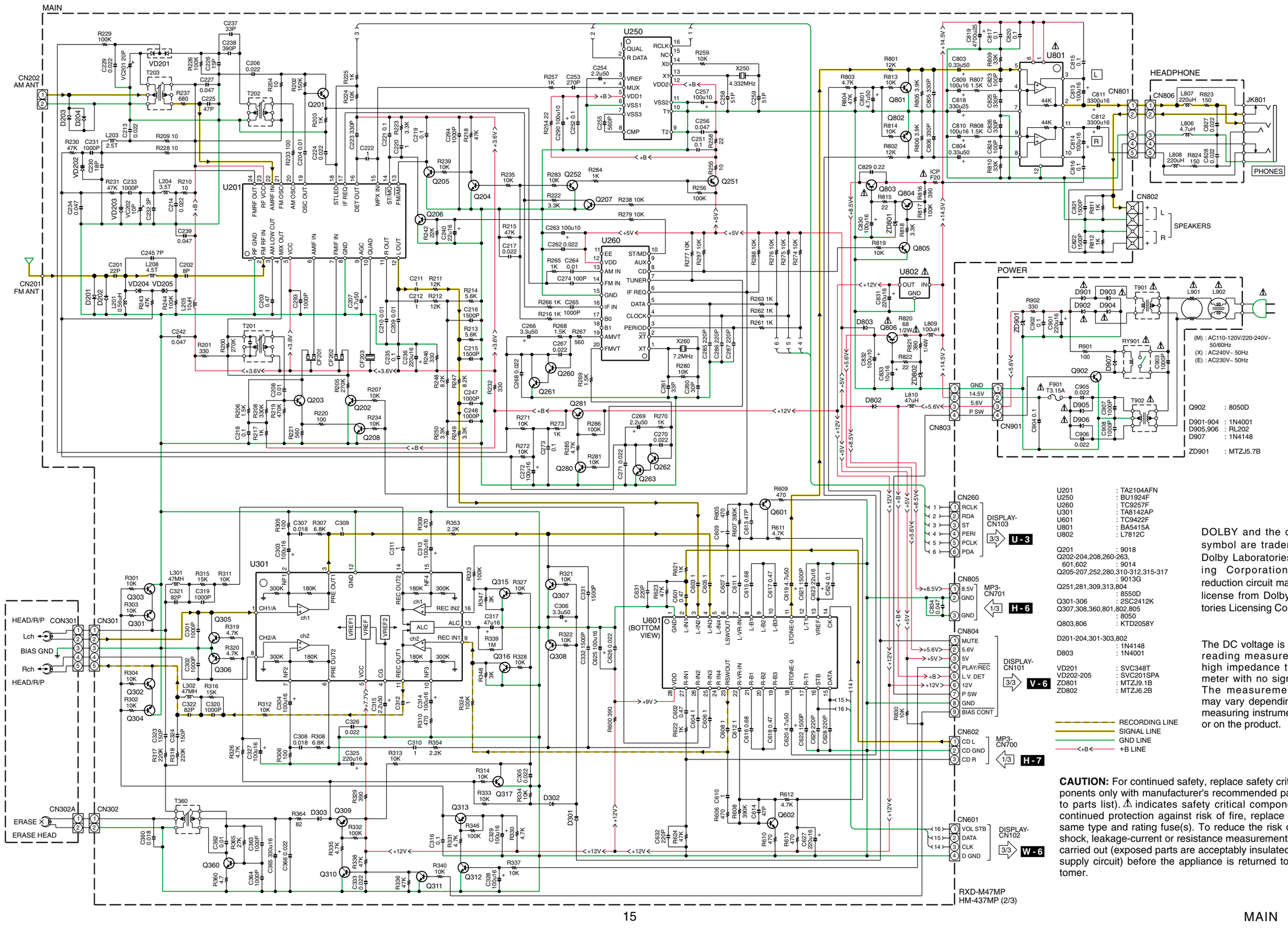
ZD701 : MTZJ3.9B
ZD702,703 : MTZJ3.3B

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). ⚠ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

RXD-M47MP,HM-437MP (1/3)

RXD-M47MP



DOLBY and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation. Noise reduction circuit made under license from Dolby Laboratories Licensing Corporation.

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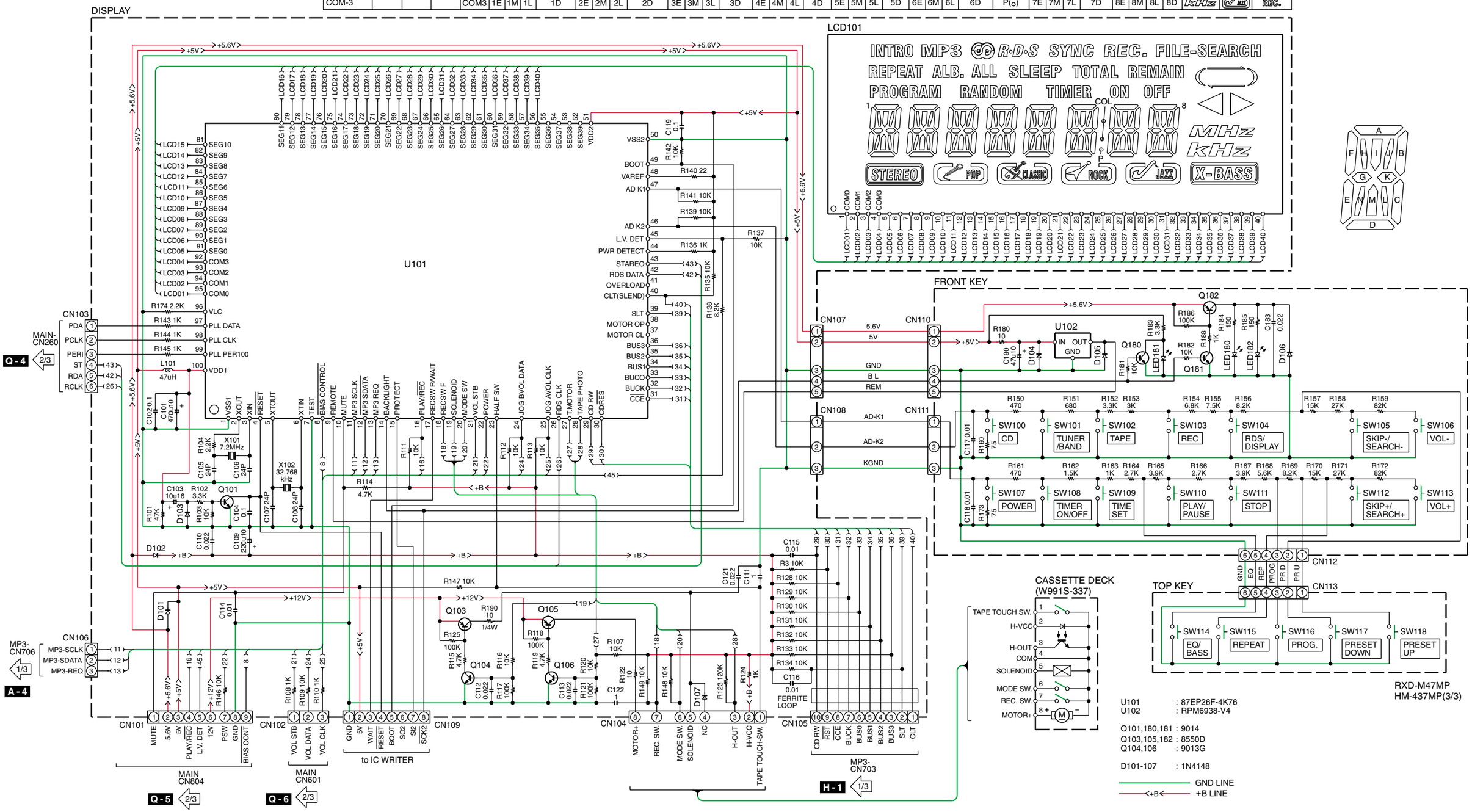
RXD-M47MP

COM/PIN #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
COM-0	COM0				1F	1A	1B	TOTAL	2F	2A	2B	PROGRAM	3F	3A	3B	REMAIN	4F	4A	4B	SLEEP	5F	5A	5B	INTRO	6F	6A	6B	FILE-SEARCH	RANDOM	7F	7A	7B	REPEAT	8F	8A	8B	ALL	SYNC		X-BASS
COM-1		COM1			1H	1I	1J	R-D-S	2H	2I	2J	TIMER	3H	3I	3J	ON	4H	4I	4J	OFF	5H	5I	5J	COL	6H	6I	6J	STEREO	MP3	7H	7I	7J	ALB.	8H	8I	8J				
COM-2			COM2		1G	1N	1K	1C	2G	2N	2K	2C	3G	3N	3K	3C	4G	4N	4K	4C	5G	5N	5K	5C	6G	6N	6K	6C		7G	7N	7K	7C	8G	8N	8K	8C	MHz		
COM-3				COM3	1E	1M	1L	1D	2E	2M	2L	2D	3E	3M	3L	3D	4E	4M	4L	4D	5E	5M	5L	5D	6E	6M	6L	6D	P(o)	7E	7M	7L	7D	8E	8M	8L	8D	kHz		REC.



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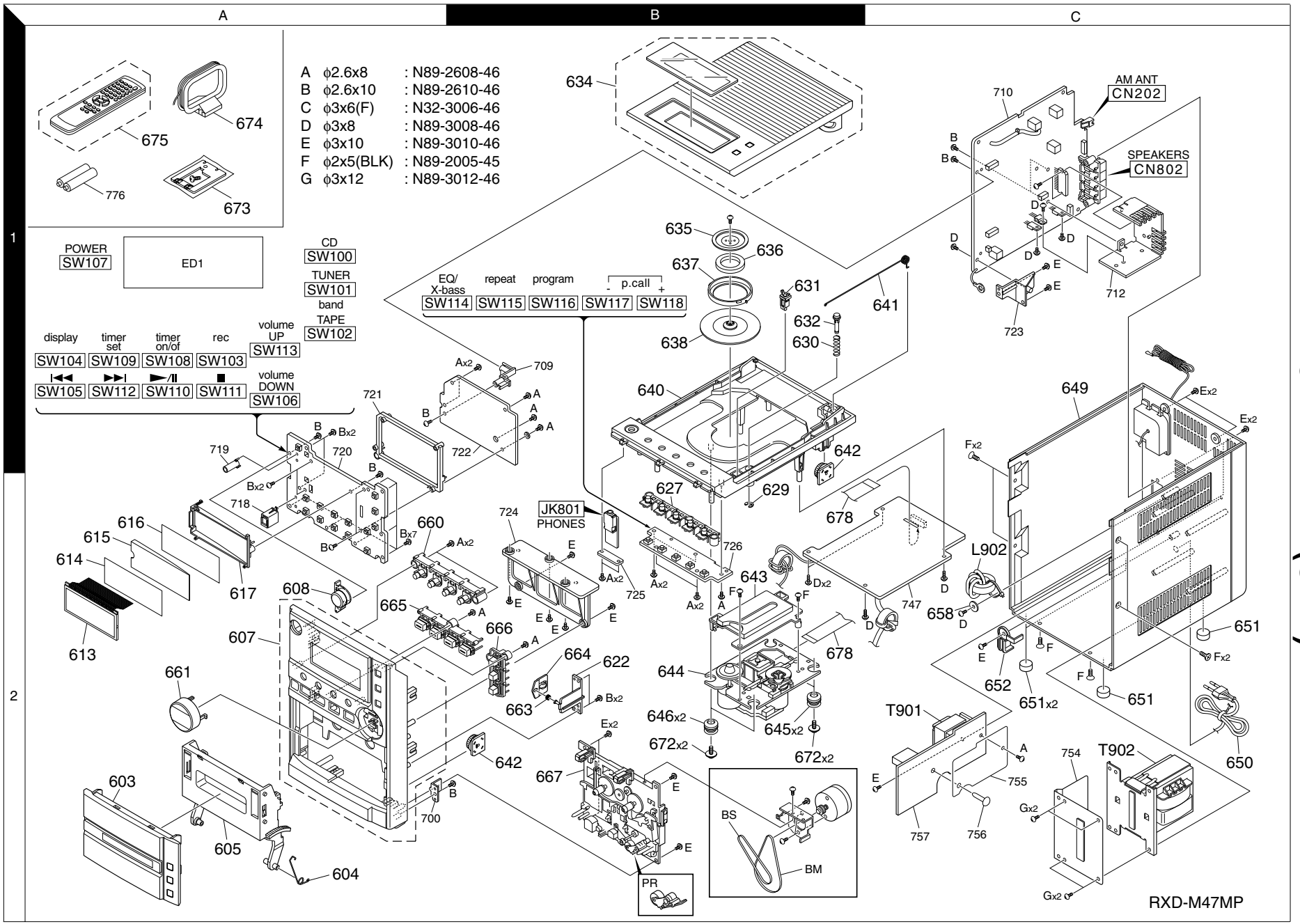
EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

✻ New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

❶

Ref. No	Address	New Parts	Parts No.	Description		Destination	Remarks
RXD-M47MP							
-		✻	A05-0270-08	Speaker Box	00-00337-03		
-		✻	B60-5521-08	I/B 'Kenwood'	88-00437-00		
-		✻	H10-7943-08	Polyfoam (L)	86-00437-01		
-		✻	H10-7944-08	Polyfoam (R)	86-00437-02		
-		✻	H60-1311-08	Carton Box 'Ke	89-00337-06		
603	2A	✻	A53-2455-08	Cass Lid Assy	00-00337-12		
604	2A		G01-4373-08	Cass Lid Sprin	36-00337-00		
605	2A		A53-2452-08	Cass Lid Brack	48-00337-00		
607	2A	✻	A60-2427-08	Front Cabinet	00-00337-13		
608	2A		K29-8426-08	Power Knob	53-00337-01		
613	2A	✻	B38-0275-08	LCD 80724TT-P	91-00437-01		
614	2A		B11-1611-08	LCD Filter	43-00337-05		
615	2A		B19-1670-08	Light Guide	43-00337-03		
616	2A		B11-1610-08	Light Guide Pa	68-00337-00		
617	2A		J19-6435-08	Light Guide Br	48-00337-01		
622	2B		J19-6433-08	Cass Lid Latch	55-00005-01		
627	2B		K29-8427-08	EQ/Bass Knob	53-00337-03		
629	2B		N29-0295-08	E Ring M3	35-00003-00		
630	1B		G01-4362-08	EM3 CD Eject S	36-00003-04S		
631	1B		J52-0047-08	CD Door Switch	16-00000-09		
632	1B		D10-5077-08	NSX1 Push Rod	55-00141-02		
634	1B	✻	F07-2030-08	CD Cover Assy	00-00337-14		
635	1B		J19-6420-08	OP3223 Metal P	39-03223-00		
636	1B		T99-0692-08	OP192-Magnet 2	97-09019-00		
637	1B		J19-6419-08	UMS4200 Stabil	49-04200-00		
638	1B		J11-0904-08	OP3223 Stabili	55-07953-03		
640	1B	✻	A02-3109-08	CD Tray Assy	00-00337-15		
641	1C		G01-4374-08	CD Cover Sprin	36-00337-01		
642	1B,2B		D39-0361-08	Damper Gear B4	63-00303-01		
643	2B		F07-2026-08	OP3223 94V5 PU	48-00088-07		
644	2B		D40-1845-08	Sanyo CD Mech.	98-00337-00		
645	2B		J02-1563-08	CD Damper (314	81-02750-00		
646	2B		J02-1564-08	CD Damper (314	81-02750-01		
649	1C		A80-4503-08	Rear Cabinet	61-04200-00G		
⚠ 650	2C		E30-7343-08	AC Power Cord	30-00020-06E		
651	2C		G11-2957-08	Rubber Foot .1	81-04200-00		
⚠ 652	2C		J19-6436-08	AC Cord Holder	48-00337-10		
658	2C		N29-0297-08	Fibre Washer	35-10019-00		
660	2A		K29-8428-08	Display / Rec.	53-00337-02		
661	2A		K29-8429-08	Volume Knob	53-00337-00		
663	2B		G01-4371-08	Cass Latch Spr	36-00005-02		
664	2B		J22-1259-08	Cass Lid Latch	55-00005-00		
665	2A		K29-8430-08	Search Knob	53-00337-04		
666	2B		K29-8431-08	CD/Tuner/Tape	53-00337-05		
667	2B	✻	D40-1847-08	W991S-237 Wall	94-30437-00		
672	2B		N09-5542-08	CD Damper Scre	40-52610-03		
673	1A		F07-2029-08	Antenna Cover	48-04200-50		
674	1A		T90-0908-08	AM ANT Loop '4	23-04910-02		
675	1A	✻	A70-1692-08	Remote Control	V-RE-KEN437		
678	2B		E41-1350-08	FFC 16 Pin CAB	25-61070-00		
⚠ T901			L07-3304-08	X' Former El-	15-00337-05		
⚠ T902		✻	L07-3319-08	X' Former El-	15-00337-02		

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
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❷

Ref. No	Address	New Parts	Parts No.	Description		Destination	Remarks
POWER SUPPLY							
C901			CE04KW1C221M	ELECTRO	220UF 16WV		
C902		✻	C91-1706-08	CERAMIC	0.1UF Z		
⚠ C903			C91-1686-08	CERAMIC	0.001UF 250VAC		
C904		✻	C91-1706-08	CERAMIC	0.1UF Z		
C905,906		✻	C91-1707-08	CERAMIC	0.022UF Z		
C907,908			C91-0757-05	CERAMIC	1000PF K		
⚠ F901			F50-0262-08	Fuse T3.15L 25	33-57312-03W		
⚠ L901			L33-1703-08	Lead Free Comm	09-00400-00O		
⚠ L902			L92-0807-08	Ferrite Core T	08-04344-50		
⚠ RY901			S76-0144-08	Relay SW. SDT-	16-50101-01		
⚠ D901-904			1N4001	Diode W-1N4001	02-04001-00T		
⚠ D905,906			RL202	Diode Rectifie	02-00202-00		
D907			1N4148	Diode 1N4148 (	02-04148-00W		
Q902			8050D	Transistor 805	01-08050-05B		
ZD901			MTZJ5.6B	Zener Diode 5.	02-50056-00		
MAIN							
C201			CC73GCH1H220J	CHIP C	22PF J		
C202			CC73GCH1H080D	CHIP C	8.0PF D		
C203		✻	C91-1708-08	CHIP C	0.47UF K		
C204			CK73GB1H103K	CHIP C	0.010UF K		
C206			CK73GB1H223K	CHIP C	0.022UF K		
C207			CE04KW1H4R7M	ELECTRO	4.7UF 50WV		
C208-210			CK73GB1H103K	CHIP C	0.010UF K		
C211,212			CK73GB1H105Z	CHIP C	1.0UF Z		
C213,214			CK73GB1H223K	CHIP C	0.022UF K		
C215,216			CK73GB1H152K	CHIP C	1500PF K		
C217			CK73GB1H223K	CHIP C	0.022UF K		
C218,219			CK73GB1H104Z	CHIP C	0.10UF Z		
C220			CK73GB1H105Z	CHIP C	1.0UF Z		
C221			CK73GB1H104Z	CHIP C	0.10UF Z		
C222			CK73GB1H105Z	CHIP C	1.0UF Z		
C223			CK73GB1H331J	CHIP C	330PF J		
C224			CK73GB1H223K	CHIP C	0.022UF K		
C225			CC73GCH1H470J	CHIP C	47PF J		
C226			CC73GCH1H150J	CHIP C	15PF J		
C227			CK73GB1H473K	CHIP C	0.047UF K		
C229			CK73GB1H223K	CHIP C	0.022UF K		
C230			CC73GCH1H180J	CHIP C	18PF J		
C231			CK73GB1H102K	CHIP C	1000PF K		
C232			CC73GCH1H030C	CHIP C	3.0PF C		
C233			CK73GB1H102K	CHIP C	1000PF K		
C234			CK73GB1H473K	CHIP C	0.047UF K		
C235			CK73GB1H104Z	CHIP C	0.10UF Z		
C236			CE04KW1C221M	ELECTRO	220UF 16WV		
C237			CC73GCH1H330J	CHIP C	33PF J		
C238			C91-1685-08	FILM C	390PF J		
C239			CK73GB1H473K	CHIP C	0.047UF K		
C240			CE04KW1C220M	ELECTRO	22UF 16WV		
C242			CK73GB1H473K	CHIP C	0.047UF K		
C245			CC73GCH1H070C	CHIP C	7.0PF C		
C247,248			CK73GB1H102K	CHIP C	1000PF K		

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Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C251,252			CK73GB1H104Z	CHIP C	0.10UF	Z		
C253			CC73GCH1H271J	CHIP C	270PF	J		
C254			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C255			CK73GB1H561K	CHIP C	560PF	K		
C256			CK73GB1H473K	CHIP C	0.047UF	K		
C257			CE04KW1A101M	ELECTRO	100UF	10WV		
C258,259			CC73GCH1H510J	CHIP C	51PF	J		
C260			CC73GCH1H300J	CHIP C	30PF	J		
C261			CC73GCH1H330J	CHIP C	33PF	J		
C262			CK73GB1H223K	CHIP C	0.022UF	K		
C263			CE04KW1A101M	ELECTRO	100UF	10WV		
C264			CK73GB1H103K	CHIP C	0.010UF	K		
C265			CK73GB1H102K	CHIP C	1000PF	K		
C266			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C267,268			CK73GB1H223K	CHIP C	0.022UF	K		
C269			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C270,271			CK73GB1H223K	CHIP C	0.022UF	K		
C272			CE04KW1C101M	ELECTRO	100UF	16WV		
C273			CK73GB1H104Z	CHIP C	0.10UF	Z		
C274			CC73GCH1H101J	CHIP C	100PF	J		
C285-287			CK73GB1H221K	CHIP C	220PF	K		
C290			CE04KW1A101M	ELECTRO	100UF	10WV		
C293			C91-0757-05	CERAMIC	1000PF	K		
C294			CK73GB1H102K	CHIP C	1000PF	K		
C301,302			CK73GB1H102K	CHIP C	1000PF	K		
C303,304			CE04KW1C101M	ELECTRO	100UF	16WV		
C305			CK73GB1H223K	CHIP C	0.022UF	K		
C306			CE04KW1H3R3M	ELECTRO	3.3UF	50WV		
C307,308			CK73GB1H183K	CHIP C	0.018UF	K		
C309-312			CK73GB1H105Z	CHIP C	1.0UF	Z		
C313,314			CE04KW1C101M	ELECTRO	100UF	16WV		
C315			CE04KW1H2R2M	ELECTRO	2.2UF	50WV		
C316			CK73GB1H104Z	CHIP C	0.10UF	Z		
C317			CE04KW1C470M	ELECTRO	47UF	16WV		
C319,320			CK73GB1H102K	CHIP C	1000PF	K		
C321,322			CC73GCH1H820J	CHIP C	82PF	J		
C323,324			CK73GB1H151J	CHIP C	150PF	J		
C325			CE04KW1C221M	ELECTRO	220UF	16WV		
C326			CK73GB1H223K	CHIP C	0.022UF	K		
C327-329			CE04KW1C101M	ELECTRO	100UF	16WV		
C331,332			CK73GB1H152K	CHIP C	1500PF	K		
C333			CK73GB1H223K	CHIP C	0.022UF	K		
C360			C91-1688-08	MYLAR	0.018UF	K		
C362			CK73GB1H103K	CHIP C	0.010UF	K		
C363,364			CK73GB1H102K	CHIP C	1000PF	K		
C365			CE04KW1C331M	ELECTRO	330UF	16WV		
C366			CK73GB1H223K	CHIP C	0.022UF	K		
C601,602		✻	C91-1708-08	CHIP C	0.47UF	K		
C603-612			CK73GB1H105Z	CHIP C	1.0UF	Z		
C613,614			CC73GCH1H470J	CHIP C	47PF	J		
C615,616		✻	C91-1709-08	CHIP C	0.68UF	Z		
C617,618		✻	C91-1708-08	CHIP C	0.47UF	K		
C619,620			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C621,622			CK73GB1H152K	CHIP C	1500PF	K		
C623			CE04KW1C220M	ELECTRO	22UF	16WV		

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Ref. No	Address	New Parts	Parts No.	Description			Destination	Remarks
C624			CK73GB1H104Z	CHIP C	0.10UF	Z		
C625			CE04KW1C101M	ELECTRO	100UF	16WV		
C626			CK73GB1H223K	CHIP C	0.022UF	K		
C627			CE04KW1C221M	ELECTRO	220UF	16WV		
C628,629			CK73GB1H221K	CHIP C	220PF	K		
C631,632			CK73GB1H221K	CHIP C	220PF	K		
C801			CE04KW1H4R7M	ELECTRO	4.7UF	50WV		
C803,804			CE04KW1HR33M	ELECTRO	0.33UF	50WV		
C805,806			CK73GB1H331J	CHIP C	330PF	J		
C809,810			CE04KW1C101M	ELECTRO	100UF	16WV		
C811,812			CE04KW1C332M	ELECTRO	3300UF	16WV		
C813,814			CE04KW1C101M	ELECTRO	100UF	16WV		
C815,816			C91-1681-08	FILM	0.1UF	K		
C817			CK73GB1H104Z	CHIP C	0.10UF	Z		
C818			CE04KW1E331M	ELECTRO	330UF	25WV		
C819			CE04KW1E472M	ELECTRO	4700UF	25WV		
C820		✻	C91-1706-08	CERAMIC	0.1UF	Z		
C821,822			CK73GB1H152K	CHIP C	1500PF	K		
C823,824			CC73GCH1H101J	CHIP C	100PF	J		
C825,826			CK73GB1H331J	CHIP C	330PF	J		
C827,828			CK73GB1H223K	CHIP C	0.022UF	K		
C829		✻	C91-1711-08	CERAMIC	0.22UF	Z		
C830			CE04KW1C101M	ELECTRO	100UF	16WV		
C831			CE04KW1C221M	ELECTRO	220UF	16WV		
C832			CE04KW1A101M	ELECTRO	100UF	10WV		
C833			CE04KW1C100M	ELECTRO	10UF	16WV		
C834			CK73GB1H473K	CHIP C	0.047UF	K		
VC201			C91-1684-08	Trimmer 20 pF	05-08200-22			
VC202			C91-1683-08	Trimmer 10 pF	05-08100-22			
CN802			E70-0196-08	Speaker Termin	12-00006-00Q			
JK801			E63-1365-08	3.5 mm H/P Jac	12-21235-17			
CF201			L79-1303-08	CER Filter CQB	09-50450-09			
CF202			L72-0650-08	CER. Filter LT	09-50107-16			
CF203			L79-1302-08	CER DIS. 10.7M	09-50107-07			
L201			L92-0813-08	Fixed Inductor	09-70056-00			
L203			L32-1063-08	FM Coil .5.5 m	09-25055-00W			
L204			L32-1064-08	FM Coil .5.5 m	09-35055-00W			
L205			L92-0814-08	Inductor 10 µ	09-70101-02T			
L208			L32-1065-08	FM Coil .5.5 m	09-45055-00			
L301,302			L33-1704-08	Choke Coil 47	09-40474-00			
L806			L92-0817-08	Axial Inductor	09-70470-01			
L807,808			L92-0816-08	Axial Inductor	09-70222-03T			
L809			L92-0815-08	Axial Lead Ind	09-70102-02T			
L810			L92-0818-08	Fixed Inductor	09-70471-02			
T201			L30-0992-08	AM IFT A010-86	08-05200-00			
T202			E35-3714-08	10 mm IFT Red	08-01014-02			
T203			L32-1062-08	AM ANT Coil OA	08-86436-70			
T360			L32-1060-08	10 mm REC Bias	08-00053-00C			
X250			L77-2435-08	Crystal 4.332	04-04332-06			
X260			L77-2436-08	Crystal 7.2 MH	04-07200-05D			
Q361			RK73GB1J000J	CHIP R	0	J 1/16W		
R1			RK73GB1J000J	CHIP R	0	J 1/16W		
R200			RK73GB1J274J	CHIP R	270K	J 1/16W		
R201			RK73FB2B331J	CHIP R	330	J 1/8W		

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R202			RK73GB1J154J	CHIP R	150K	J	1/16W		
R203			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R204			RK73GB1J100J	CHIP R	10	J	1/16W		
R205			RK73GB1J274J	CHIP R	270K	J	1/16W		
R206			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R207			RK73GB1J103J	CHIP R	10K	J	1/16W		
R208			RK73GB1J334J	CHIP R	330K	J	1/16W		
R209,210			RK73GB1J100J	CHIP R	10	J	1/16W		
R211,212			RK73GB1J123J	CHIP R	12K	J	1/16W		
R213,214			RK73GB1J562J	CHIP R	5.6K	J	1/16W		
R215			RK73GB1J473J	CHIP R	47K	J	1/16W		
R216,217			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R218			RK73GB1J473J	CHIP R	47K	J	1/16W		
R219			RK73GB1J474J	CHIP R	470K	J	1/16W		
R220			RK73GB1J101J	CHIP R	100	J	1/16W		
R221			RK73GB1J561J	CHIP R	560	J	1/16W		
R223			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R226			RK73GB1J104J	CHIP R	100K	J	1/16W		
R229			RK73GB1J104J	CHIP R	100K	J	1/16W		
R231			RK73GB1J473J	CHIP R	47K	J	1/16W		
R233			RK73GB1J101J	CHIP R	100	J	1/16W		
R234,235			RK73GB1J103J	CHIP R	10K	J	1/16W		
R237			RK73GB1J681J	CHIP R	680	J	1/16W		
R238,239			RK73GB1J103J	CHIP R	10K	J	1/16W		
R242			RK73GB1J223J	CHIP R	22K	J	1/16W		
R244			RK73GB1J104J	CHIP R	100K	J	1/16W		
R247,248			RK73GB1J822J	CHIP R	8.2K	J	1/16W		
R254			RK73GB1J220J	CHIP R	22	J	1/16W		
R256			RK73GB1J104J	CHIP R	100K	J	1/16W		
R259			RK73GB1J103J	CHIP R	10K	J	1/16W		
R261-263			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R265			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R267			RK73GB1J561J	CHIP R	560	J	1/16W		
R268,269			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R270			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R271			RK73GB1J103J	CHIP R	10K	J	1/16W		
R277			RK73GB1J103J	CHIP R	10K	J	1/16W		
R280			RK73GB1J103J	CHIP R	10K	J	1/16W		
R284			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R285			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R286			RK73GB1J104J	CHIP R	100K	J	1/16W		
R288			RK73GB1J103J	CHIP R	10K	J	1/16W		
R297			RK73GB1J103J	CHIP R	10K	J	1/16W		
R301-304			RK73GB1J103J	CHIP R	10K	J	1/16W		
R305,306			RK73GB1J101J	CHIP R	100	J	1/16W		
R307,308			RK73GB1J682J	CHIP R	6.8K	J	1/16W		
R309,310			RK73GB1J471J	CHIP R	470	J	1/16W		
R311-314			RK73GB1J103J	CHIP R	10K	J	1/16W		
R315,316			RK73GB1J153J	CHIP R	15K	J	1/16W		
R317,318			RK73GB1J224J	CHIP R	220K	J	1/16W		
R319,320			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R321,322			RK73GB1J103J	CHIP R	10K	J	1/16W		
R323			RK73GB1J104J	CHIP R	100K	J	1/16W		
R326			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R327,328			RK73GB1J103J	CHIP R	10K	J	1/16W		

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R330,331			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R332			RK73GB1J104J	CHIP R	100K	J	1/16W		
R333,334			RK73GB1J103J	CHIP R	10K	J	1/16W		
R335			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R336			RK73GB1J473J	CHIP R	47K	J	1/16W		
R337			RK73GB1J103J	CHIP R	10K	J	1/16W		
R338			RK73GB1J473J	CHIP R	47K	J	1/16W		
R339			RK73GB1J105J	CHIP R	1.0M	J	1/16W		
R340			RK73GB1J103J	CHIP R	10K	J	1/16W		
R341			RK73GB1J000J	CHIP R	0	J	1/16W		
R346			RK73GB1J104J	CHIP R	100K	J	1/16W		
R347,348			RK73GB1J302J	CHIP R	3.0K	J	1/16W		
R360			RK73GB1J4R7J	CHIP R	4.7	J	1/16W		
R365			RK73GB1J273J	CHIP R	27K	J	1/16W		
R605,606			RK73GB1J471J	CHIP R	470	J	1/16W		
R607,608			RK73GB1J394J	CHIP R	390K	J	1/16W		
R609,610			RK73GB1J471J	CHIP R	470	J	1/16W		
R611,612			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R621,622			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R623,624			RK73GB1J473J	CHIP R	47K	J	1/16W		
R801,802			RK73GB1J123J	CHIP R	12K	J	1/16W		
R803			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R804			RK73GB1J473J	CHIP R	47K	J	1/16W		
R805,806			RK73GB1J392J	CHIP R	3.9K	J	1/16W		
R807,808			RK73GB1J152J	CHIP R	1.5K	J	1/16W		
R809,810			RK73GB1J333J	CHIP R	33K	J	1/16W		
R811,812			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R813,814			RK73GB1J103J	CHIP R	10K	J	1/16W		
R815			RK73GB1J220J	CHIP R	22	J	1/16W		
R817			RK73GB1J104J	CHIP R	100K	J	1/16W		
R818			RK73GB1J332J	CHIP R	3.3K	J	1/16W		
R819			RK73GB1J103J	CHIP R	10K	J	1/16W		
⚠ R820			RD14BB2H680J	RD	68	J	1/2W		
R822			RK73GB1J220J	CHIP R	22	J	1/16W		
D201-204			1N4148	Diode 1N4148 (			02-04148-00W		
D301-303			1N4148	Diode 1N4148 (			02-04148-00W		
D802			1N4148	Diode 1N4148 (			02-04148-00W		
D803			1N4001	Diode W-1N4001			02-04001-00T		
⚠ ICP			ICP-F20	IC(IC PROTECTOR)					
Q201			9018	Transistor 901			01-09018-10		
Q202-204			9014	Transistor 901			01-09014-05		
Q205-207			9013G	Transistor 901			01-09013-11B		
Q208			9014	Transistor 901			01-09014-05		
Q251			8550D	Transistor 855			01-08550-06		
Q252			9013G	Transistor 901			01-09013-11B		
Q260-263			9014	Transistor 901			01-09014-05		
Q280			9013G	Transistor 901			01-09013-11B		
Q281			8550D	Transistor 855			01-08550-05B		
Q301-306			2SC2412K	Transistor 2SC			01-02412-00R		
Q307,308			8050	Transistor 805			01-08050-06		
Q309			8550D	Transistor 855			01-08550-06		
Q310-312			9013G	Transistor 901			01-09013-11B		
Q313			8550D	Transistor 855			01-08550-06		
Q315-317			9013G	Transistor 901			01-09013-11B		

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Q360			8050	Transistor 805	01-08050-06			
Q601,602			9014	Transistor 901	01-09014-05			
Q801,802			8050	Transistor 805	01-08050-06			
⚠ Q803			KTD2058Y	Transistor KTD	01-02058-00			
Q804			8550D	Transistor 855	01-08550-05B			
Q805			8050	Transistor 805	01-08050-06			
⚠ Q806			KTD2058Y	Transistor KTD	01-02058-00			
U201			TA2104AFN	IC TA2104AFN	03-02104-02			
U250			BU1924F	IC BU1924F	03-01924-00			
U260			TC9257F	IC TC9257F	03-09257-01			
U301			TA8142AP	IC TA8142AP TO	03-08142-00			
U601			TC9422F	IC TC9422F TOS	03-09422-00			
⚠ U801			BA5415A	IC BA5415A ROH	03-05415-00			
⚠ U802			L7812C	IC L7812C (ARR	03-07812-00A			
VD201			SVC348T	Tuning Diode S	02-00348-01			
VD202-205			SVC201SPA	Tuning Diode S	02-00201-00			
ZD801			MTZJ9.1B	Zener Diode 9	02-50091-00			
ZD802			MTZJ6.2B	Zener Diode 6	02-50062-00			
FRONT								
LED180		✻	B30-2682-08	LED .3 mm ORG	02-30473-03			
LED181			B30-2674-08	3 mm Red LED L	02-30934-05			
LED182		✻	B30-2682-08	LED .3 mm ORG	02-30473-03			
C117,118			CK73GB1H103K	CHIP C	0.010UF	K		
C180			CE04KW1A470M	ELECTRO	47UF	10WV		
C183			CK73GB1H223K	CHIP C	0.022UF	K		
R150			RK73GB1J471J	CHIP R	470	J 1/16W		
R151			RK73GB1J681J	CHIP R	680	J 1/16W		
R152			RK73GB1J332J	CHIP R	3.3K	J 1/16W		
R153			RK73GB1J302J	CHIP R	3.0K	J 1/16W		
R154			RK73GB1J682J	CHIP R	6.8K	J 1/16W		
R155			RK73GB1J752J	CHIP R	7.5K	J 1/16W		
R156			RK73GB1J822J	CHIP R	8.2K	J 1/16W		
R157			RK73GB1J153J	CHIP R	15K	J 1/16W		
R158			RK73GB1J273J	CHIP R	27K	J 1/16W		
R159			RK73GB1J823J	CHIP R	82K	J 1/16W		
R160			RK73GB1J750J	CHIP R	75	J 1/16W		
R161			RK73GB1J471J	CHIP R	470	J 1/16W		
R162			RK73GB1J152J	CHIP R	1.5K	J 1/16W		
R163			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R164			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R165			RK73GB1J392J	CHIP R	3.9K	J 1/16W		
R166			RK73GB1J272J	CHIP R	2.7K	J 1/16W		
R167			RK73GB1J392J	CHIP R	3.9K	J 1/16W		
R168			RK73GB1J562J	CHIP R	5.6K	J 1/16W		
R169			RK73GB1J822J	CHIP R	8.2K	J 1/16W		
R170			RK73GB1J153J	CHIP R	15K	J 1/16W		
R171			RK73GB1J273J	CHIP R	27K	J 1/16W		
R172			RK73GB1J823J	CHIP R	82K	J 1/16W		
R173			RK73GB1J750J	CHIP R	75	J 1/16W		
R180			RK73GB1J100J	CHIP R	10	J 1/16W		
R181,182			RK73GB1J103J	CHIP R	10K	J 1/16W		
R183			RK73GB1J332J	CHIP R	3.3K	J 1/16W		
R184,185			RK73GB1J151J	CHIP R	150	J 1/16W		
R186			RK73GB1J104J	CHIP R	100K	J 1/16W		

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R188			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
SW100-118			S70-0116-08	Tact Switch	16-10101-08C			
D104,105			1N4148	Diode 1N4148 (	02-04148-00W			
D106			1N4148	Diode DL4148 S	02-04148-03			
Q180,181			9014	Transistor 901	01-09014-05			
Q182			8550D	Transistor 855	01-08550-06			
U102			RPM6938-V4	Sensor RPM6938	02-66938-00			
DISPLAY								
LCD101		✻	B38-0276-08	LCD Display	91-00437-00			
C101			CE04KW1A471M	ELECTRO	470UF	10WV		
C102			CK73GB1H104Z	CHIP C	0.10UF	Z		
C103			CE04KW1C100M	ELECTRO	10UF	16WV		
C104			CK73GB1H104Z	CHIP C	0.10UF	Z		
C105-108			CC73GCH1H240J	CHIP C	24PF	J		
C109			CE04KW1A221M	ELECTRO	220UF	10WV		
C110			CK73GB1H223K	CHIP C	0.022UF	K		
C111			CK73GB1H105Z	CHIP C	1.0UF	Z		
C112,113			CK73GB1H223K	CHIP C	0.022UF	K		
C114-116			CK73GB1H103K	CHIP C	0.010UF	K		
C119			CK73GB1H104Z	CHIP C	0.10UF	Z		
C121			CK73GB1H223K	CHIP C	0.022UF	K		
C122			CK73GB1H105Z	CHIP C	1.0UF	Z		
For CN105			L92-0821-08	Ferrite Core	08-04344-21			
L101			L92-0818-08	Fixed Inductor	09-70471-02			
X101			L77-2443-08	Crystal 7.2 MH	04-07200-08			
X102			L77-2438-08	Crystal 3 X 8	04-32768-09			
R2			RK73GB1J000J	CHIP R	0	J 1/16W		
R3			RK73GB1J103J	CHIP R	10K	J 1/16W		
R4,5			RK73GB1J000J	CHIP R	0	J 1/16W		
R101			RK73GB1J473J	CHIP R	47K	J 1/16W		
R103			RK73GB1J103J	CHIP R	10K	J 1/16W		
R104			RK73GB1J222J	CHIP R	2.2K	J 1/16W		
R107			RK73GB1J103J	CHIP R	10K	J 1/16W		
R108			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R109			RK73GB1J103J	CHIP R	10K	J 1/16W		
R110			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R112,113			RK73GB1J103J	CHIP R	10K	J 1/16W		
R114,115			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R117,118			RK73GB1J104J	CHIP R	100K	J 1/16W		
R119			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R120			RK73GB1J103J	CHIP R	10K	J 1/16W		
R121			RK73GB1J104J	CHIP R	100K	J 1/16W		
R123			RK73GB1J124J	CHIP R	120K	J 1/16W		
R124			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R125			RK73GB1J104J	CHIP R	100K	J 1/16W		
R128-135			RK73GB1J103J	CHIP R	10K	J 1/16W		
R136			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R137			RK73GB1J103J	CHIP R	10K	J 1/16W		
R138			RK73GB1J822J	CHIP R	8.2K	J 1/16W		
R139			RK73GB1J103J	CHIP R	10K	J 1/16W		
R140			RK73GB1J220J	CHIP R	22	J 1/16W		
R141,142			RK73GB1J103J	CHIP R	10K	J 1/16W		

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R143-145			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R148,149			RK73GB1J103J	CHIP R	10K	J 1/16W		
R174			RK73GB1J222J	CHIP R	2.2K	J 1/16W		
D101-103			1N4148	Diode 1N4148	02-04148-00W			
D107			1N4148	Diode 1N4148	02-04148-00W			
Q101			9014	Transistor 901	01-09014-05			
Q103			8550D	Transistor 855	01-08550-04B			
Q104			9013G	Transistor 901	01-09013-11B			
Q105			8550D	Transistor 855	01-08550-04B			
Q106			9013G	Transistor 901	01-09013-11B			
U101			87EP26F-4K76	IC CPU TMP 87E	03-87261-00			
MP3								
C700			CE04KW1C471M	ELECTRO	470UF	16WV		
C701			CK73GB1H223K	CHIP C	0.022UF	K		
C702			CE04KW1C470M	ELECTRO	47UF	16WV		
C703			CK73GB1H223K	CHIP C	0.022UF	K		
C704			CE04KW1C221M	ELECTRO	220UF	16WV		
C705,706			CE04KW1C470M	ELECTRO	47UF	16WV		
C707			CE04KW1C221M	ELECTRO	220UF	16WV		
C708			CE04KW1C470M	ELECTRO	47UF	16WV		
C710			CE04KW1C220M	ELECTRO	22UF	16WV		
C711			CE04KW1C470M	ELECTRO	47UF	16WV		
C712			CK73GB1H223K	CHIP C	0.022UF	K		
C713			CE04KW1C470M	ELECTRO	47UF	16WV		
C714			CK73GB1H105Z	CHIP C	1.0UF	Z		
C715			CE04KW1C470M	ELECTRO	47UF	16WV		
C716			CK73GB1H223K	CHIP C	0.022UF	K		
C717,718			CC73GCH1H300J	CHIP C	30PF	J		
C719,720			CE04KW1C470M	ELECTRO	47UF	16WV		
C721			CK73GB1H223K	CHIP C	0.022UF	K		
C722,723			CE04KW1C470M	ELECTRO	47UF	16WV		
C724			CE04KW1C471M	ELECTRO	470UF	16WV		
C725		✻	C91-1708-08	CHIP C	0.47UF	K		
C726-728			CK73GB1H104Z	CHIP C	0.10UF	Z		
C729		✻	C91-1708-08	CHIP C	0.47UF	K		
C730			CK73GB1H104Z	CHIP C	0.10UF	Z		
C731,732			CK73GB1H473K	CHIP C	0.047UF	K		
C733,744			CE04KW1H010M	ELECTRO	1.0UF	50WV		
C735			CE04KW1C470M	ELECTRO	47UF	16WV		
C736			CK73GB1H153K	CHIP C	0.015UF	K		
C737			CK73GB1H103K	CHIP C	0.010UF	K		
C738			CC73GCH1H470J	CHIP C	47PF	J		
C739			CK73GB1H272J	CHIP C	2700PF	J		
C740			CE04KW1C470M	ELECTRO	47UF	16WV		
C741			CK73GB1H473K	CHIP C	0.047UF	K		
C742,743			CK73GB1H471K	CHIP C	470PF	K		
C744			CK73GB1H473K	CHIP C	0.047UF	K		
C745			CK73GB1H104Z	CHIP C	0.10UF	Z		
C746			CK73GB1H472K	CHIP C	4700PF	K		
C747			CE04KW1C470M	ELECTRO	47UF	16WV		
C748,749			CK73GB1H473K	CHIP C	0.047UF	K		
C750,751			CK73GB1H152K	CHIP C	1500PF	K		
C752			CE04KW1C470M	ELECTRO	47UF	16WV		
C753			CK73GB1H223K	CHIP C	0.022UF	K		

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C754			CE04KW1C470M	ELECTRO	47UF	16WV		
C755-762			CK73GB1H223K	CHIP C	0.022UF	K		
C763			CK73GB1H105Z	CHIP C	1.0UF	Z		
C764			CK73GB1H334Z	CHIP C	0.33UF	Z		
C765			CC73GCH1H101J	CHIP C	100PF	J		
C766,767			CK73GB1H223K	CHIP C	0.022UF	K		
C768			CE04KW1C470M	ELECTRO	47UF	16WV		
C769			CK73GB1H181J	CHIP C	180PF	J		
C770			CE04KW1C101M	ELECTRO	100UF	16WV		
C771			CC73GCH1H101J	CHIP C	100PF	J		
C772,773			CK73GB1H224K	CHIP C	0.22UF	K		
C774			CK73GB1H104Z	CHIP C	0.10UF	Z		
C775			CC73GCH1H020C	CHIP C	2.0PF	C		
C776			CK73GB1H104Z	CHIP C	0.10UF	Z		
C778			CK73GB1H223K	CHIP C	0.022UF	K		
C779			CE04KW1C101M	ELECTRO	100UF	16WV		
C780			CE04KW1C221M	ELECTRO	220UF	16WV		
C781			CK73GB1H223K	CHIP C	0.022UF	K		
C782			CE04KW1C470M	ELECTRO	47UF	16WV		
C783			CK73GB1H223K	CHIP C	0.022UF	K		
C784,785			CK73GB1H473K	CHIP C	0.047UF	K		
C789			CK73GB1H223K	CHIP C	0.022UF	K		
CN704		✻	E41-1497-08	Lead Free 16 P	20-80160-82			
For CN700	,701	✻	L92-0830-08	Ferrite Core T	08-04344-23			
L701,702			L92-0825-08	Lead Free Axia	09-70471-80			
L703,704			L92-0814-08	Inductor 10 µ	09-70101-02T			
L706-709			L92-0825-08	Lead Free Axial	09-70471-80			
L710		✻	L92-0831-08	Lead Free Axia	09-70101-80			
X701			L77-2437-08	Crystal 16.934	04-16934-49			
L705			RD14BB2H3R3J	RD	3.3	J 1/2W		
R701,702			RK73GB1J271J	CHIP R	270	J 1/16W		
R703,704			RK73GB1J222J	CHIP R	2.2K	J 1/16W		
R706,707			RK73GB1J222J	CHIP R	2.2K	J 1/16W		
R708			RK73GB1J103J	CHIP R	10K	J 1/16W		
R716			RK73GB1J203J	CHIP R	20K	J 1/16W		
R717			RK73GB1J101J	CHIP R	100	J 1/16W		
R718			RK73GB1J203J	CHIP R	20K	J 1/16W		
R719			RK73GB1J221J	CHIP R	220	J 1/16W		
R720			RK73GB1J471J	CHIP R	470	J 1/16W		
R721-727			RK73GB1J332J	CHIP R	3.3K	J 1/16W		
R728			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R729			RK73GB1J224J	CHIP R	220K	J 1/16W		
R730			RK73GB1J683J	CHIP R	68K	J 1/16W		
R731			RK73GB1J103J	CHIP R	10K	J 1/16W		
R732			RK73GB1J332J	CHIP R	3.3K	J 1/16W		
R733			RK73GB1J473J	CHIP R	47K	J 1/16W		
R734			RK73GB1J471J	CHIP R	470	J 1/16W		
R735-737			RK73GB1J103J	CHIP R	10K	J 1/16W		
R738			RK73GB1J102J	CHIP R	1.0K	J 1/16W		
R739			RK73GB1J103J	CHIP R	10K	J 1/16W		
R740			RK73GB1J472J	CHIP R	4.7K	J 1/16W		
R741			RK73GB1J103J	CHIP R	10K	J 1/16W		
R742			RK73GB1J101J	CHIP R	100	J 1/16W		

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R743-748			RK73GB1J473J	CHIP R	47K	J	1/16W		
R749			RK73GB1J103J	CHIP R	10K	J	1/16W		
R750			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R751-753			RK73GB1J103J	CHIP R	10K	J	1/16W		
R754			RK73GB1J225J	CHIP R	2.2M	J	1/16W		
R755			RK73GB1J103J	CHIP R	10K	J	1/16W		
R756			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R757,758			RK73GB1J271J	CHIP R	270	J	1/16W		
R759			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R760-773			RK73GB1J103J	CHIP R	10K	J	1/16W		
R774-780			RK73GB1J103J	CHIP R	10K	J	1/16W		
R781			RK73GB1J102J	CHIP R	1.0K	J	1/16W		
R782			RK73GB1J273J	CHIP R	27K	J	1/16W		
R783			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R784			RK73GB1J473J	CHIP R	47K	J	1/16W		
R785			RK73GB1J221J	CHIP R	220	J	1/16W		
R786			RK73GB1J333J	CHIP R	33K	J	1/16W		
R787,788			RK73GB1J103J	CHIP R	10K	J	1/16W		
R789			RK73GB1J823J	CHIP R	82K	J	1/16W		
R790			RK73GB1J100J	CHIP R	10	J	1/16W		
R791-793			RK73GB1J103J	CHIP R	10K	J	1/16W		
R795-797			RK73GB1J222J	CHIP R	2.2K	J	1/16W		
R798			RK73GB1J472J	CHIP R	4.7K	J	1/16W		
R800-802			RK73GB1J220J	CHIP R	22	J	1/16W		
R803			RK73GB1J103J	CHIP R	10K	J	1/16W		
R804			RK73GB1J273J	CHIP R	27K	J	1/16W		
Q701-704			8050	Transistor 805	01-08050-06				
Q705			8550	Transistor 855	01-08550-06				
Q706,707			8050	Transistor 805	01-08050-06				
U700			TC94A02F-007	IC TC94A02F-00	03-09402-01				
U701			TC9462F	IC TC9462F	03-09462-00				
U702			NJM7805FA	IC(VOLTAGE REGULATOR)					
U703			TA2092N	IC TA2092N TOS	03-02092-00				
U704			TA2153FN	IC TA2153FN TO	03-02153-00				
U705			AS7C31024-15	IC AS7C31024-1	03-31024-00				
U706			MC74HC14AD	IC MC74HC14AD	03-07414-01				
ZD701			MTZJ3.9B	Zener Diode 3.	02-50039-00				
ZD702,703			MTZJ3.3B	Zener Diode 3.	02-50033-00				
CASS. MECHANISM									
BM	2B	✻	D16-0809-08	MAIN BELT	A-4003-3B				
BS	2B	✻	D16-0810-08	SUB BELT	L-4003-0				
PR	2B	✻	D14-0832-08	PINCH ROLLER	L-03				

L : Scandinavia **K :** USA **P :** Canada **R :** Mexico **C :** China **I :** Malaysia
Y : PX(Far East,Hawaii) **T :** England **E :** Europe **G :** Germany **V :** China(Shanghai)
Y : AAFES(Europe) **X :** Australia **Q :** Russia **H :** Korea **M :** Other Areas ⚠ indicates safety critical components .

RXD-M47MP

SPECIFICATIONS

Main unit

Amplifier section

Rate output power
.....5 W + 5 W (1 kHz, 10% T.H.D., at 4 Ω
X-BASS.....+7 dB (60 Hz)

Tuner section

FM tuner section
Tuning frequency range
..... 87.5 MHz ~ 108 MHz
AM tuner section
Tuning frequency range
..... 531 kHz ~ 1,602 kHz

CD player section

Laser ..... Semiconductor laser
Over sampling .....8 fs (352.8 kHz)
Laser wave length ..... 760 ~ 800 nm
Laser power class ..... Class 1 (IEC)
D/A conversion ..... 1 Bit

Cassette deck section

Track.....4-track, 2-channel stereo

General

Power consumption ..... 25 W
Dimensions ..... W : 145mm (5-11/16")
H : 210 mm (8-1/4")
D : 227 mm (8-15/16")
Weight (net) ..... 2.8 kg (6.2 lb)

Speakers

Enclosure ..... Bass-reflex type
Speaker configuration
Woofer .....100 mm, cone type
Impedance .....4 Ω
Maximum input level ..... 5 W
Dimensions ..... W : 130 mm (5-1/8")
H : 208 mm (8-3/16")
D : 161 mm (6-5/16")
Weight (net) ..... 1.2 kg (2.7 lb) (1 piece)

Notes:

- KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
- Sufficient performance may not be exhibited at extremely cold locations (where water freezes).